

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:

Eric C. HANNAH, et al.

Serial No.: 10/717,954

Group Art Unit: 2818

Filed: November 19, 2003

Examiner: V. Nguyen

FOR: ELECTRON SPIN MECHANISMS FOR INDUCING MAGNETIC-  
POLARIZATION REVERSAL

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Preliminary to examination, please amend the above identified application as follows:

P12033D